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Page 47, line 6, change "to share" to --sharing--. Page 47, line 9, delete "(" and "described in". Page 47, line 9, after "some" insert --specified--.

Page 47, line 10, delete "the DDRAM Arbiter Disclosure)".

Page 47, line 10, change "E.g." to -For example--.

Page 47, line 12, change "Allows" to -- The TSM Arbiter allows --.

Page 53, line 8, change "ports" to --system (DASL)--.

Page 53, line 8, after "chip" insert -- (called Rainier)--.

Page 54, delete lines 23-25.

In the Claims:

Please add the following New Claims:

	Claim 14
1	A communications device comprising:
2	a control point processor subsystem; and
3	a network processor, operatively coupled to said control point processor, including:
4	N interface processors, N > 1;
\bigcirc	a plurality of media interfaces;
6	a plurality of greues coupling the interfaces to the processors wherein the queues provide
7	channels through which data enters and leaves the processors;
8	memory that stores data passing through said control processor; and
9	euqueue/dequeue scheduler responsive to control signal to move data from the memory to
10	a selected queue; and
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11	said control point process or subsystem including:
12	control point function generator that generates and forwards to one of said plurality of
13	media interfaces a guided frame with information that allows said control point processor
14	subsystem access to registers and memories under control of said network processor.
	Claim 15
1	The communications device of Claim 14 wherein the information including at least one word of
2	frame control information, one word of software correlation, one or a sequence of guided
30	commands and an end delimeter guided command.
60	
	Claim 16
)1	The communications device of Claim /4 further including a frame control block register
2	operatively coupled to the N interface processors, said frame control block register storing
3	information used to route processed guided frame back to the control point function generator.
	Claim 17
1	The communications device of Claim 14 further including a Target Blade Start Of Frame
2	(TB_SOF) queue operatively coupled to the N interface processor and storing Guided Frame to
3	be broadcast.
	Claim 18
1	The communications device of Claim 14 wherein the control point processor subsystem includes
2	a bus;
3	an arbiter coupled to said bus;
4	a CPU coupled to said bus;
5	a DMA controller coupled to the bus;
6	a Mailbox and DRAM Interface coupled to the bus;

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7 an interrupt controller interconnecting the CPU and the Mailbox and DRAM interface; 8 a DRAM arbiter coupled to the N-interface processor and the Mailbox and DRAM 9 Interface; and 10 a DRAM controller coupled to the DRAM arbiter. Claim 19 The communications device of Claim 18 further including at least an interrupt line coupling the N-processor to the Mailbox and DRAM Interface and a communication line interconnecting one of the N-interface processors to the Mailbox and DRAM Interface. Claim 20 The communications device of Claim 14 wherein components of the network processor are 2 fabricated on a common substrate Claim 21 The communications device of Claim 20 wherein the control point processor subsystem is 1 2 fabricated on the common substrate. Claim 22 1 The communications device of Claim 14 wherein the control point processor subsystem is 2 external to a common substrate on which said network processor is fabricated; and 3 a communications module interconnects the control point processor subsystem to at least 4 one of the plurality ϕ f media interfaces.

Claim 23

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1	The communications device of Claim 22 wherein the at least one of the plurality of media
2	interfaces includes a first ethernet Medium Access Control, MAC;
3	and the communications module including:
4	a second ethernet MAC/PHY coupled to the processor sub-system;
5	an ethernet PHY coupled to the ethernet MAC/PHY; and
6	a transmission media coupling the ethernet PHY to the first ethernet MAC.
	Claim 24
1	The communications device of Claim 23 further including an interconnecting device
2	interconnecting the second ethernet MAC/PHY to the processor sub-system; and
, J	a storage operatively connected to said interconnecting device.
V)	
h	<u>Claim 25</u>
1	The communications device of Claim 24 wherein the interconnecting device includes a PCI
2	bridge.
	Claim 26
1	A mechanism for transporting control information in a communications system including a
2	control point processor sub-system operatively coupled to a network processor, said mechanism
3	including:
4	a function generator; and
5	a guided frame generated by the function generator.
6	Said guided frame including:
7	a first section in which frame control information is placed and is used by the network
8	processor to update at least one control register within said network processor;
9	a first section in which frame control information is placed and is used by the network
10	processor to update at least one control register within said network processor;
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a second section carrying correlators/assigned by said function generator to correlate 11 12 guided frame responses with their requests/ 13 a third section carrying one or a sequence of guided commands; and 14 an End delimeter guided command. Claim 27 The mechanism of Claim 26 further Including said function generator generating routing 1 2 information; and encapsulating the guided frame with the routing information. Claim 28 The mechanism of Claim 26 wherein the routing information including a code identifying a particular frame type; 3 a Source Address; and 4 a Destination Address. Claim 29 The mechanism of Claim 26 wherein the sections are arranged in the order of recitations. 1 Claim 30 The mechanism of Claim 26 wherein the first section includes WORD 0 having a first field with 1 2 a set of control bits and a second field carrying target blade information. WORD 1 having a 3 reserved field, a Source Port field with Source Port information and Source Blade field carrying 4 Source Blade information. Claim 31

- 1 The mechanism of Claim 26 wherein the second section includes one WORD having a Reserved
- 2 Field, a length field concatenated to the Reserved Field and at least one correlator WORD
- 3 following the length field.

Claim 32

- 1 The mechanism of Claim 26 wherein each guided command in the third section includes a first
- 2 Command Word in which Command Control information is carried said first Command WORD
- including a Length Field indicating the total number of 32-bit words contained in the control information; a completion code field to carry information regarding status of preceding guided commands; and a guided frame type field carrying a code indicating one of a plurality of commands;
 - a Second Command WORD with an Address Field used to identify an element within a network processor.

Claim 33

- 1 A method comprising the steps of:
- 2 using a control point function located in a control point processor to generate a guided
- 3 frame;
- using a device driver in said control point processor to send the guided frame to one of a plurality of media interfaces associated with a network processor;
- 6 using Medium Access Control hardware in said media interfaces to recover the guided
 7 frame;
- 8 storing the redovered guided frame in a memory; and
- 9 routing said stored guided frame to an entity identified in said guided frame.

Claim 34

1 The method of Claim 33 further including the steps of processing said guided frame by said entity according to instruction carried in said guided frame; and 2 3 routing the processed guided frame back to the control point function if required by 4 information carried in the guided frame. Claim 35 The method of Claim 33 further including the step of encapsulating the guided frame with 1 network routing information. Claim 36 The method of Claim 35 wherein the network routing information includes ethernet. Claim 37 The apparatus of Claim 26 wherein the function generator includes a software driver. 1 Claim 38 1 A system comprising: 2 a network processor having N interface processors, N > 1; a control point processor sub-system operatively coupled to said network processor; 3 a first function generator operatively positioned within the control point processor, said 4 5 first function generator generating at least one guided frame with information that gives said 6 control point processor subsystem access to registers and memories under control of said network 7 processor. Claim 39

The system of Claim 38 further including at least one second function generator operatively

positioned in at least one of the N interface processors, said at least one second function

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